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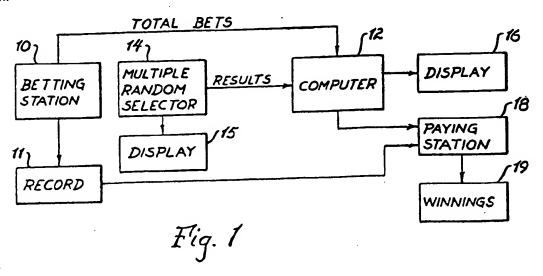
GB A 2119989 GB 1445518 GB 1428157 GB 1347003 GB 1275697 WO A1 80/02512

(58) Field of search

G4V Selected US specifications from IPC sub-classes A63F G07F

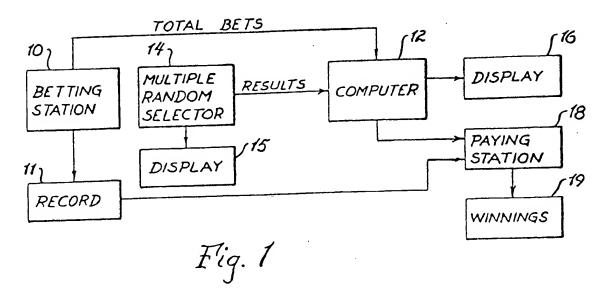
(54) Gaming apparatus

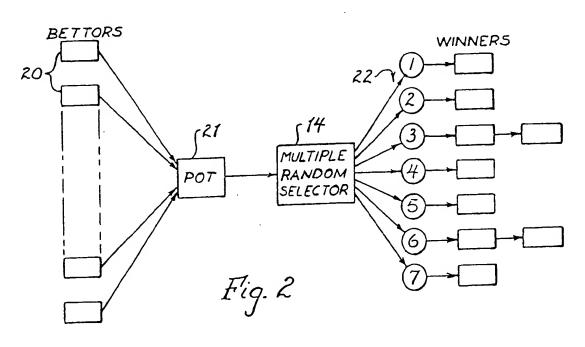
(57) A gaming apparatus includes a plurality (Y) of selector means (14) each adapted for the random selection of one of a multiplicity (X) of indicia, and means (15) to display the selected indicia. The selector and display means may comprise five reels or wheels each having stopping positions identified by indicia in the form of the numbers 1 to 20. The apparatus also includes means (11) for recording between one and Y predictions made by a player, each prediction comprises one of the indicia, means (12) for comparing the predictions with the selections, means (16) for displaying the results, and means (18) for awarding winnings for the correct prediction of any one or more of the following single occurrences of individual indicia, multiple occurrences of individual indicia, and sequential occurrences of indicia. The apparatus may be coin-operated apparatus, and between 1 and Y coins may be inserted, one for each prediction.



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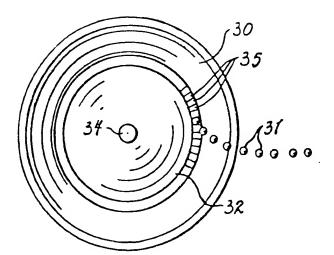


Fig. 3

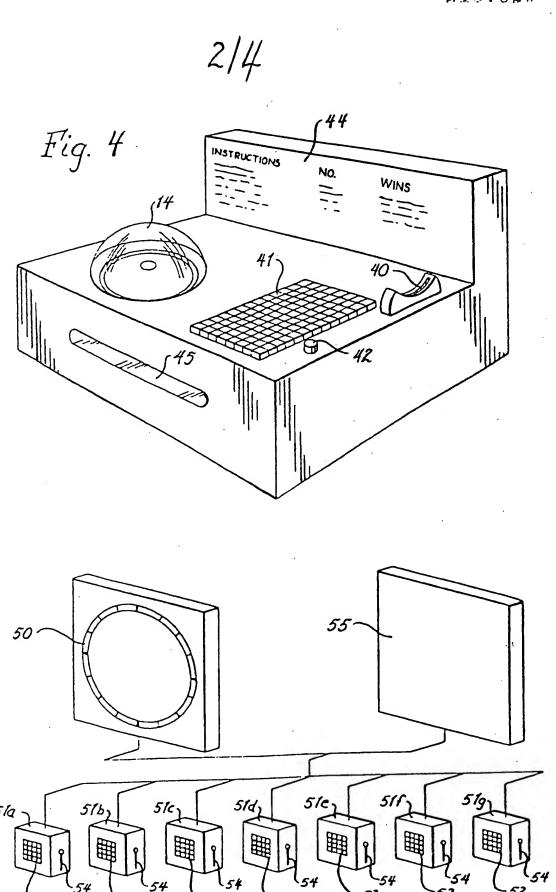


Fig. 5

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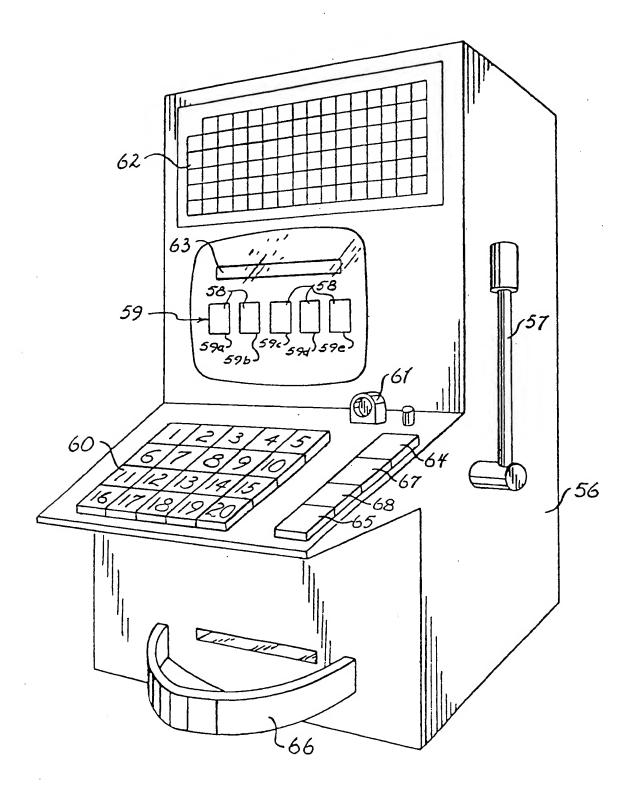


Fig. 6

				4	4/4	7			
		PAYBACK FREQUENCY	86.5% 22.6%	40.9%	55.6%	67.2 %	97.3% 76.2%	-	
		PAYBACK	86.5%	88%	89.4%	93.06%	97.3%		
11	٦	M5					50 1000 250000		
	BONUS POINTS ON SEQUENTIAL ORDER					200	0001		
	US F	M3			30	40	50		
0	BON	ZW		5	5	0	0		
6	BONUS POINTS ON WULTIPLE OCCURANCE	5C M2 M3 M4	50 5000	75 10000	100 15000	20 125 20000 10 40 500	25 150 25000 10		Fig. 7
	POINT	3C 4C	50	75	00/	125	150		
	JUS F	30	7	0	15	20	25		
	BON	2C	5	5	5	5	5		
		3	5	5	5	5	5		
	IED	P	4	4	4	4	4		
	MATCHED	0	2	7	3	3	7		
C	ς 0 \ Σ	B	2	2	2	2	2	1	
		4	-	_	-	-	_	62	
		REELS	FIRST	SECOND	THIRD	FOURTH	FIFTH		
			72	73~	747	757	~ 92		

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SPECIFICATION

Gaming apparatus

5 This invention relates to gaming apparatus and, more particularly, to a game in which pre-5 selected numbers and their occurrence in predetermined sequence are played. There are several games of chance, both commercial and domestic and those for amusement only that are known involving numbers. Some of the more popular ones are roulette, Keno, Bingo, wheels of chance, lotteries, slot machines and other gaming devices. These games 10 provide the player with an opportunity to win one wheel or drawing or spin. In lotteries, for 10 example, the player selects a plurality of numbers, purchases a ticket and compares his selection with the numbers drawn. The player does not really play the game but merely compares his selection with those numbers drawn. In roulette, the player selects a number having certain odds or payoff, the roulette wheel is spun and he has one chance to win. Each roulette game 15 provides a small opportunity of winning to each player and generally there are few winners, if 15 any, on each spin. In Keno, the same is generally true; the player selects numbers and then compares with the winning numbers posted. In games involving the spinning of wheels with a plurality of numbers, the players watch the spin of one wheel to determine if their selected number is where the wheel stops. In most of the games the element of excitement is at a minimum since there is generally only 20 one way to win and the potential of winning is small. It is therefore an object of this invention to provide a gaming apparatus that is devoid of the above-noted disadvantages. According to the present invention, there is provided a gaming apparatus comprising a plurality 25 (Y) of selector means each adapted for the random selection of one of a multiplicity (X) of 25 indicia, means for recording between one and Y predictions made by a player, each prediction comprising one of the indicia, means for comparing the predictions with the selections, and means for awarding winnings for the correct prediction of any one or more of the following: single occurrences of individual indicia, multiple occurrences of individual indicia, and sequential 30 30 occurrences of indicia. The apparatus of the invention provides a game that permits the player several opportunities to win, hereinafter also referred to as "winning events". The game can be used commercially with payout awards for a variety of occurrences and whereby the player can play at least two to ten games at one time. The game increases the usual chances to win and thus adds excitement to the game. It is 35 simple to comprehend yet exciting to play, and can be played by one or several players. These and other advantages of this invention will become apparent upon a reading of this disclosure and are provided generally by a game involving preselection of numbers. The game of this invention will be described throughout as being played by a single player: however, there 40 can be multiple players or even teams. A novel feature of this invention is that with a single 40 coin, a player's single selection can have available two or more chances of winning at one time. That is, two or more substantially identical indicators will randomly offer many possible winning events and combinations of winning events thereby enhancing the excitement of the game. To add further interest, the player may play more than one game at a time. That is, for each 45 additional coin inserted, he may make an additional selection. Each selection being both an 45 independent game and part of a game using each independent game as an equal part of its whole; the addition of the now increased possible winning events offering more excitement to the play of the game. The game will be described initially by its basic or fundamental concepts. However, it can be used with automatic slot machine-type mechanics and electronics. Also, the 50 game will be described throughout with reference to the use of numbers only; however, in place 50 of or together with numbers, one can use letters, symbols, colors, characters or the like. When the term "number" or "numbers" is used throughout, it is intended to mean any type indcia such as numbers, colors, letters, symbols, characters or mixes thereof. The term "winning number" means a preselected number that appears in a stopped point of an indicator. "Indica-55 tor(s)" (selectors) in this disclosure are also referred to as reels, wheels, and balls and are used 55 throughout to mean the same device, which can be any indicator with five or more possible stopping locations. "Preselected" means automatic preselection or manual preselection. Also, while one to five preselected numbers and 1-20 stopping positions for each of five indicators (wheels) will be used to illustrate the preferred embodiment of the invention, any amount of 60 preselected numbers, stopping positions, and indicators may be used (as in an embodiment 60 which utilizes one to seven preselected numbers, 254 stopping positions and seven indicators (balls). The designation of "X" in the claims and disclosure indicates any whole number greater than one. Thus, "X" indicates the number of available numbers to be preselected from, which is always equal to the number of stopping positions on the reel or wheels. "X" therefore repre-

65 cents both the amount of numbers available for preselection and the number of stonning

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	one. Thus, "Y" indicates the	e num	ber c	ot indic	ators	' indicates any whole number greater than which is always equal to the maximum	٠		
5	number of preselections and the number of indicators. In its simplest form, the game will be described with reference to one player. The player selects from 1–5 numbers ("Y") from 20 available numbers ("X"). He then spins 5 indicators ("Y") which for illustrative purposes are "wheels" having 20 stopping locations ("X"). Any of the preselected 1–5 numbers can come up on any of the five wheels spun. The following examples will further define the game of this invention. These examples are intended to be for								
10	illustration and not limitation	of th	e inv	ention.	. Ina	Cafed Millipera in this disclosure means me	10		
45	EXAMPLE I The player selects from a possible 20 numbers of from 1–20 the numbers 3, 6, 9, 12 and 15; then spins wheels A, B, C, D and E.								
15	Wheels Indicated Nos.	A 7	B 4	C 12		E 20			
20	In this example, the playe C.	r has	one '	winner	; num	ber 12 which came up or stopped on wheel	20		
25	EXAMPLE II The player can also bet of amount of numbers available number 7.	r pres e for 1	select prese	only o	one n n). In 1	umber or from one to five numbers (from "X" his example, the player selects only the	25		
	Wheels Indicated Nos.	A 5	B 1	C 7	D 20	E 19			
30	In this example, the playe	r has	one	winne	r on v	vheel C.	30		
	EXAMPLE III The player can also select from "X" amount of available numbers any of 5 numbers; here he selects 3 numbers: 3, 12 and 15.								
35	Wheels Indicated Nos:	A 4	B 2	. C 12	·D 17	E 15			
40	In this example, the player	er has	two	winne	ers; nu	mber 12 on wheel C and number 15 on wheel	40		
45	game, a player can win bo	nus p	oints	for pic	cking	sent game. To enhance the excitement of the numbers in order of their occurrence on each e numbers, the numbers 3, 6, 9, 12 and 15.	45		
50	Wheels Indicated Nos.	A 4	B 6	C 6	D 10	E 15	50		
5:	In this example the player wheel C and number 15 or number 6 on wheel B and Also, bonus points for n	n whe numb	el E; er 19	and a on w	lso w vheel	imbers; number 6 on wheel B, number 6 on ins bonus points for picking or preselecting E. -B and C.	55		
J:	EVAMPLE V	same -E are	5 nu spur	mbers with	: num	ber 3, number 6, number 9, number 12 and ollowing results:			
6	O Wheels Indicated Nos	A 15	B 12	C 2 6	D 11	E 10	60		

he would win on three numbers: number 15 on wheel A, number 12 on wheel B, number 6 on wheel C but would not win any books points since none of his colocted numbers came up in

5	first (wheel A) -3 second (wheel B) -6 third (wheel C) -9 fourth (wheel D) -12 fifth (wheel E) -15	5
10	EXAMPLE VI To further describe the game of this invention award points are assigned each wheel (or reel).	10
15	wheel A -1 point wheel B -2 points wheel C -3 points wheel D -4 points wheel E -5 points	15
20	bonus points are also assigned if one preselected number comes up on more than one wheel (per coin inserted).	20
25	2 wheels -5 points 3 wheels -7-25 points 4 wheels -50-150 points 5 wheels -5,000-25,000 points	25
20	If the numbers are picked sequentially on each wheel additional bonus points are awarded as follows (per coins inserted):	
30	2 wheels -5 points 3 wheels -30-50 points 4 wheels -500-1,00 points 5 wheels -250,000 points	30
35	Thus, the game of this invention provides award points for: A. picking a winning number, plus B. a bonus if the winner number comes up on more than one wheel, plus C. a bonus if any two to five numbers are picked sequentially, i.e.	35
40	1st number on wheel A 2nd number on wheel B 3rd number on wheel C 4th number on wheel D 5th number on wheel E	40
45	EXAMPLE VII To illustrate all of the above, if the game was played by one player in a commercial casino with a coin-operated machine, the following would occur; The player would have before him a slot machine with 5 reels (wheels above) each reel having numbers 1–20 on it. He would deposit one coin for each number to be selected, i.e.	45
50	to bet number 3 - 1 coin to bet numbers 3 & 6 - 2 coins to bet numbers 3, 6 and 9 - 3 coins	50
55	to bet numbers 3, 6, 9, 12 and 15 - 5 coins	55
	EXAMPLE VIII In example VII, let's assume that the player selects two numbers, 3 and 6, and deposits coins. He pulls the lever to activate the reels (wheels) and the reel stops or displays illustrate:	
60	Reel A B C D E Indicated Nos. 3 6 11 8 6	60

he has two winning numbers (for awards see VI a) above)

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		•
	number 3 on reel A – 1 point	
	number 6 on reel B – 2 points	
	number 6 on reel E – 5 points	5
5	bonus points since 6 came up	3
	in second and fifth positions	
	(reels B and E). – 5 points	
	(MILL trust	•
40	(see VI b) above)) bonus points since first and second	10
10	selection position, that is, nos. 3	
	and 6 came up in first and second	
	reel positions (reels A and B) - 5 points	
	(see VI c) above)	15
15	10 mainte en 19 coins	
	Total Pay off 18 points or 18 coins	
	EVANDIE IV	
	EXAMPLE IX Again, in same coin-operated machine of Example VI, the following further describ	es the game
20	o of this invention as played in a coin-operated machine.	20
20	The player only selects one number; number 3 and inserts one coin.	•
	The reels when activated show:	
	Reel A B C D E 5 Indicated nos 3 11 10 10 3	25
25	5 Indicated nos. 3 11 10 10 3 The player earns the following points:	
	winning number on reel A = 1 point	
	winning number on reel E = 5 points	
	bonus: number 3 on 2 wheels (A & E) = 5 points	30
30	0 no bonus on sequence = 0 points	30
	Total 11 points or coins	
	Total 11 points of coms	
	EXAMPLE X	
35	to the same mochine as in Example VI VII VIII and IX and with the awards or va	lues of 35
-	English VI the playor colocts five numbers; number 3, number 0, number 3, number 0	CI IZ GIIG
	number 15 and therefore deposits 5 coins. He pulls the lever to activate the reels v	vitti tile
	following results.	
	o Reel A B C D E	. 40
40	IO Reel A B C D L Indicated nos. 3 3 9 12 11	
	(a) winning numbers:	
	number 3 on reel A = 1 point	
	number 3 on reel B = 2 points	45
45	number 9 on reel C = 3 points	
	number 12 on reel D = 4 points	
	(b) bonus awards: number 3 in reels A & B = 5 points	
	The second of th	
54	(c) bonus awards sequential: 50 number 3 on reel A	50
51	number 9 on reel C	
	number 12 on reel D = 30 points	
	Total award 45 points	55
5	55 EVANDE VI	
	Obviously, the player can lose on all reels, wheels or balls (used throughout inter	changeably)
	and a coult, and hit or win on all whools the "lacknot would be all 5 fullibers of	onning up in
	sequence on reels A, B, C, D and E. Numbers selected are number 3, number 6, n	iditibel o,
6	60 number 12 and number 15.	60
_	•	

		Reel	Α	В	С	D	E		
		Indicated nos.	3 6	9		12	15		
5	(a)	That would be an award of: wheel A	=	1	point or	coin			5
3	(4)	wheel B	=		points or				
		wheel C	=		points or points or				
		wheel D wheel E	=		points or				
10		**************************************		_	<u>.</u>				10
	Tota		_	15	points or	coins	-	15 points	
	(b)	bonus points or coins for on preselected number coming	ie						
		up on more than one wheel					-	0 points	15
15	(c)	bonus points or coins for all	numb	ers	aatad		_	250,000 points	15
	Tot	coming up in order or in sec al award	quence	sei	ectea			250,015 points	
	101	di awaru						or coins	
			L		hom	o onta	rtair	nment game or ideally as a	20
20		he game of this invention car	" or "	One	-armen Da	ancii .	. Ап	IN Suitable and conventional me	
			t and	rnm	INARRATS (an be	: use	ed such as the edulpment disclosed	
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25	4 0	20 500							
		- the elet modhing vargion of	this in	ven	tion one e	embod	lime:	nt is shown in Fig. 6, most of	
		Imamuliita Taurumi.Ku Oca	uka la	nan	I he only	, Daπ	OT U	ssago Electric Industry Co Ltd, 4- the slot machine not illustrated in	
30	*hic	catalog is the keyboard (60)	ın Ha.	61	which wa	s a si	anu	ard part mandractured by minor bian	30
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	-	tiia bassal sontoining th	A DEAC	17217	s of the a	ame o	11 111	is invention as described in the and custom made for applicant by	
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35	-	ri invention in clot r	machin	0 01	nhodimen	t invol	ives	the use of: (1) a remote station for	35
		· · · · · · · · · · · · · · · · · · ·	2 2011	ובחר	את הר כהחים	ioie na	IVITIC	rogrammed keyboard) for player to g from 1 to "X" numbers; (3) a	
	*	- f device for accomping H	n to	Y	coins to i	je bet	. 14	I lifeally addit as a comparer to	
		i of and rotain the	memo	\r\/ (of the l-	x num	ioer:	s selected, (5) 1 leels that our	40
40	be	spun with "X" amount of nu	mbers)	pri	nted there tisted indi	ion; (o) or (ba	ne wheel with "X" amount of alls); (7) a display or video display	,,,
		for abouting the Winning	numbe	210	on reels v	vnen r	eeis	cease rotation and stop, to, a	
	00	in-dienensing means for dispe	nsina	the	coins wo	n; and	(9)	an award table indicating the award	
	-	points or coins and bonus po	advan	tane	se of the	nresen	M ID	vention will become apparent nom	45
45	CO	nese and other realures and national side ration of the following sides	pecifica	atio	n when ta	ken in	COI	njunction with the accompanying	
		-hadiment of the precent inve	ntion.					game made in accordance with an	
50	en	Figure 2 is a diagram showing	the s	equ	ence of s	teps i	n pla	aying a game in accordance with	50
		a ambadiment of the present	invent	tion	•				
		<i>Figure 3</i> is a top plan view ill be embodiment of the game o	ustratii	ng (one form o	ion.	tipie	e random selecting means usable in	
		Figure 4 is a perspective view	v show	vina	a machin	e desi	gne	d for a single player to play a game	
55	•	manuscrad in accordance with	One e	mhr	ndiment o	t the c	oresi	ent invention,	55
		Figure 5 is a schematic illustr	ation s	inve	ving an ai	ternati	ve i	form of game made in accordance	
		Figure 6 is a perspective view	v shov	ving	a slot ma	achine	cor	nstructed in accordance with the	
		when a dim a set of the DI	'acant	INV/	INTION: AND	1			60
60)	Figure 7 is a chart showing t	he awa	ards	made by	Winni		combinations in the preferred	
		Deferring now more particular	ilu to t	he i	drawings,	and to	o th	nose embodiments of the invention	
	٠.	was accounted by way of illust	ration	att	ention is 1	irst al	rect	Ed to tid. I of the gravamas for an	
			HICTHICA	Ωŧ	the dame	In Fig	3. I	it will be seen that there is a place bets. Some form of record 11	65
6	j be	etting station 10 where the Vi	arious	hiq≬	CIS UI UII	e piay	u p	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	

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is made of the bet placed. The record may be a piece of paper or the like showing various data, or of course the record may be retained within a machine on a computer or the like, so long as there is some means for the player to claim his winnings in the event he does win.

When all betting stops for a particular game, the betting station 10 directs the total amount of the bets to a computer 12, and the game can be played. The play of the game comprises the activation of a multiple random selector 14 which indicates a plurality of winning locations or numbers. Furthermore, the multiple random selecting means 14 causes each of a plurality of indicators to select one of a plurality of locations.

During this play of the game, the action of the selecting means 14 is displayed by means of a display 15. As will be discussed more fully hereinafter, the display 15 may take the form of visual observation of a wheel or the like, or may take the form of a projection or other display on a screen. The object of the display 15 is, of course, to allow the various players in any one game to monitor the selecting process. This would be the exciting part of the game wherein the various players would anxiously watch the random selection process, hoping their particular selections are indicated as large winners.

Once the selections have been made by the selecting means 14, the results are delivered to the computer 12; so, the computer 12 will have the total amount bet, the numbers or other identification of the winning locations, and the degree of winning of each location. With this information, the computer determines the winning numbers, and the amount assigned or awarded to each winning number. These results are displayed by the display 16 and are directed to the paying station 18.

It will be remembered that each bet at the betting station 10 resulted in a record 11. These records 11 can now be entered in the paying station where the bet can be compared with the winning locations; and, if the record 11 is of a winning location, the winnings 19 will be 25 delivered to the player.

Looking at Fig. 2 of the drawings, the flow of the particular game will next be discussed. In Fig. 2 there is a plurality of players, or bettors 20. There may be virtually any number of players 20, any limit being based on space available and the like rather than on the structure of the game.

Each of the players 20 places a bet as discussed above, and the total of all bets makes up the pot 21. It is then the object of the game to distribute portions of the amount in the pot to indicated ones of the players, who are, of course, called the winners. Obviously, there may be no winners; in that case the pot is carried over to the next game and if no winners then, to the next game, etc.

To distribute the amount in the pot 21, the multiple random selecting means 14 is used. As previously discussed in conjunction with Fig. 1 of the drawings, the selecting means selects a plurality of numbers using unique indicators. For convenience of illustration, the unique indicators are shown in Fig. 2 as being numbered from 1 to 7.

An important aspect of the game of the present invention is the relationship between the 40 indicators which are generally designated at 22. The first indicator 22 is arbitrarily assigned a value of two, and the successive indicators have relative values assigned in a geometric progression. Thus, the second indicator has a relative value of four, the third a relative value of eight, and so on, unit the seventh indicator has a relative value of one hundred twenty-eight.

It should be noted that the values assigned to the indicators 22 are relative only, and do not directly indicate the amount of the winnings. Rather, the entire pot 21 is to be distributed among the winning locations to the winners in accordance with the indicators 22, so the relative values of all the indicators 22 are added to give two hundred fifty-four. The pot is therefore divided by two hundred fifty-four to obtain the unit value, then each indicator 22 results in a player's winning an amount equal to the relative value of the indicator 22 multiplied by the unit value, if the player has bet on that location.

There may be times when more than one player bets on the same number, so that two or more winners claim a given amount. It is contemplated that, in this event, the total winning for the given number will be divided by the number of winners or players who bet on that number.

In one form of the game of the present invention, the indicators 22 have been rendered unique by applying the letters of a word, such as *NUMBERS*. This is an appropriate word because no letter is repeated, and the word has a meaning with respect to the game being played. Thus, the word serves as the designations for the indicators and may also serve as the name of the game.

The word numbers has seven letters, so the game as depicted in Fig. 2 could use this word.

60 In the event one wishes to have a smaller number of indicators, a word such as money may be used. Again, no letter is repeated, and the word has a meaning with respect to the game. The word money has five letters, so the relative values would be two, four, eight, sixteen and thirty-two. Alternatively, a different factor may be used for the geometric progression to yield a wider variation in the winners. If 2 is used again starting at 2 the values will be two six sighteen.

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in the structure of the particular game using the features of the present invention.

Fig. 3 of the drawings illustrates one preferred form of multiple random selecting means for use in the game of the present invention. The selecting means is in the general form of a roulette wheel including a bowl-shaped area 30 for receipt of balls 31. Centrally of the area 30, 5 a rotating member or wheel 32 rotates about a spindle 34. Around the periphery of the rotating member 32 there is a plurality of locations 35, each of the locations 35 being adapted to receive any one or all of the balls (indicators) 31. This structure is substantially the same as a conventional roulette wheel and will be well understood by those skilled in the art without further description.

Whereas a roulette wheel has a small number of locations or numbers and only one ball, the game of the present invention requires that the rotating member 32 have a number of locations equal to the sum of the relative values of the indicators. Thus, in the game having seven selectors starting at two and using a factor of two, the total is two hundred fifty-four, and there must be two hundred fifty-four locations or numbers.

It should now be understood that the game of the present invention can take many forms. Considering Figs. 1, 2 and 3 of the drawings, it will be seen that the selecting device of Fig. 3 may be used and operated by hand. The seven balls 31 may have letters printed on them, such as N, U, M, B, E, R and S so the operator of the wheel can visually determine the winning numbers and the degree of winning of each number. This information can be provided to a 20 simple calculator to make the final calculations and display the winning numbers and the dollar amount of winnings for each number.

Also, however, it will be understood that the entire game may be mechanized. Instead of using a physical wheel as is shown in Fig. 3, the display 15 may take the form of a electronically-generated pattern, appropriately rotating. The "balls" may be generated and shown engag-25 ing the rotating member while the results are generated by randomizing the results electronically.

Another form of the game of the present invention is shown in Fig. 4 of the drawings, this

device being in the form of an individually-played machine.

The device shown in Fig. 4 includes the multiple random selecting means 14 which may be a small wheel such as that shown in Fig. 3, or, of course, may be some other visual device to 30 achieve substantially the same effect.

To play the game, a player would first insert a coin in the slot 40, and make a bet by pushing one of the betting station buttons 41. The bet will be held by the machine. The start button 42 may then be pushed and the rotating member will begin to rotate and one ball will be delived to the rotating member. One ball is just one embodiment, more than one ball may be played and all 35 balls can fall on one number.

In one variation of the present invention as shown in Fig. 4, the player can play a plurality of balls in one game in accordance with the game hereinabove described. The player can insert up to (for example) seven coins and enter seven bets on the betting station buttons 41. After all the bets have been entered, the start button 42 is pressed and the play of the game begins.

When all balls or indicators have selected a location, the results are displayed on the display board 44 any any pay off is delivered at 45.

It is contemplated that the first ball to be played in the machine of Fig. 4 will be the ball having the highest relative value and additional coins will allow successive balls in inverse sequence to be played; see Table 1 below indicated. If only one ball is played and there are 45 254 locations, the odds of winning are 254 to 1. As the number of balls increases, the odds change accordingly. Thus, the greatest odds will pay the highest amount for a win and better odds for the player may result in a smaller amount won. Any number of balls (1-7) may be played.

	TABLE I PAY TABLE 1 Ball (Indicator) Played :	Pay 254-Total award p	ossible	5
5	2 Balls (Indicators) Played	for 1 selection 1st ball pay 2nd ball pay	170 +84	9
40	Total Possible Award		254	10
10	3 Balls (Indicators) Played	1st ball pay 2nd ball pay 3rd ball pay	125 +85 +44	
15	Total Possible Award		254	15
20	4 Balls (Indicators) Played :	1st ball pay 2nd ball pay 3rd ball pay 4th ball pay	103 +76 +50 +25	20
	Total Possible Award		254	•
25	5 Balls (Indicators) Played :	1st ball pay 2nd ball pay 3rd ball pay 4th ball pay 5th ball pay	85 +68 +52 +33 +16	25
30	Total Possible Award	•	254	30
	6 Balls (Indicators) Played :	1st ball pay 2nd ball pay 3rd ball pay	72 +60 +48	
35		4th ball pay 5th ball pay 6th ball pay	+37 +25 +12	35
40	Total Possible Award	A a ball was	254	40
	7 Balls (Indicators) Played :	1st ball pay 2nd ball pay 3rd ball pay 4th ball pay	64 +54 +45 +36	
45		5th ball pay 6th ball pay 7th ball pay	+27 +18 +10	45
50	Another variation of the game this embodiment of the invention	, there is a display 50 o	254 is shown in Fig. 5 of the drawings. In f the multiple random selecting means. wheel or an electronically-generated	50
55	designated at 51a-51g. Each of	the machines 51 has a	s at one of the seven machines olurality of buttons 52 similar to the n. A handle 54 causes the selection to	55
60	In this form of the game, each indicators so the player at a give all. With this arrangement, the manual depending on the relative value of three ways as should be also as should be also be	en machine will win to a nachines can be designat of the indicators the mac own in chart of Fig. 7.	Ig may be connected with one of the predetermined degree when he wins at ed to take larger or smaller coins hine is associated with. Each player can	60

means is operated and all players watch the display 50. When all selections have been indicated, the results will be computed and displayed on the total board 55. Payoffs will be in accordance with chart of Fig. 7. It will, of course, be understood that many variations of the game of the present invention are 5 possible. The machines of the Fig. 5 device may be used in conjection with the wheel of Fig. 3 5 in a small game. Also, the same machines may be used as the input means in the general arrangement shown in Fig. 2, so each of any number of bettors would have a different machine, the various machines then communicating with the computer 12 in Fig. 1 so the winnings can In the foregoing discussion of the various forms of the game, it has been said that the entire 10 amount of the pot is paid out to the winners if there are winners. If not, the pot goes to the next game, etc. While this would be the case in a personal game when all selected locations have been bet on, when the game is being operated by a commercial establishment that intends to make a profit, it is contemplated that the "house" would assess a percentage of the 15 amounts paid out. Thus, when a winner claims the winnings, the amount will be paid less (for 15 example) 10% withheld by the house. To further explain how the house percentage may be implemented in the foregoing discussions, we may consider changing the following factors to simplify the calculations involved. Change 7 indicators to 5 indicators. 20 Change the value of the indicators to 2-3-4-5 and 6. 20 Change the amount of numbers on each indicator to 20. Change the amount of numbers for preselection to 5 out of 20. Now, if we add the different possibilities of winning we have (with one coin, bet and one number selected: 25 25 1 chance out of 20 to win 2 1 chance out of 20 to win 3 plus 1 chance out of 20 to win 4 plus 1 chance out of 20 to win 5 plus 30 1 chance out of 20 to win 6 30 plus For a total of being able to win 20 to 1 on any given game $20 \div 20 \times 100 = 100\%$ return (0% hold for the house). If we want to "hold" 25% for the house we may alter the relative pays for each indicator as 35 follows: 1 chance out of 20 to win 1 1 chance out of 20 to win 2 40 1 chance out of 20 to win 3 1 chance out of 20 to win 4 1 chance out of 20 to win 5 15 to 1 Total 45 45 $15 \div 20 \times 100 = 75\%$ return (25% hold for the house). Now, if we want to maintain this base and give more of a return to the player we may offer additional rewards for certain cases of winning events-i.e. multiple occurence or sequential In Fig. 6 the preferred embodiment is shown wherein a slot machine 56 is illustrated having 50 an arm or activating means 57 for initiating or activating the spinning of five reels which have stopping points 58 that will be indicated at winning indicator or display means 59. A selector keyboard 60 having from 1-20 numbered buttons or squares is provided for preselection by the paper of up to five numbers. Any amount of numbers may be used on keyboard 60 but must 55 be the same as the amount of numbers on each reel. For clarity, twenty numbers are illustrated 55 in accordance with the above description in the examples. Also, while one to five numbers are suggested for preselection by the player or players, any suitable amount of numbers can be used, the upper limit being equal to the number of indicators. After the appropriate coins are inserted in coin insert 61, keyboard 60 is pressed to select from one to five numbers, depend-60 ing on the coins inserted. For example, if four numbers will be selected, four coins must be 60 inserted in coin insert 61, arm 57 is pulled to activate the reels which will randomly stop at position numbers indicated at indicator displays 59A, 59B, 59C, 59D, and 59E. Located in a prominent place on machine 56 is an award plate 62 which outlines the points and bonus points

or coins earned by winning results or events. This award plate 62 will be discussed at length 65 later in relation to Fig. 7. Again, the award plate 62 and the foregoing discussions have been

ch nu se 5 m ao ar	resented with reference to from 1–20 possible sections of numbers and from 1–5 preselected noices (that will be shown when made at preselect display 63). However, any amount of umbers greater than 1 may be used in the preselect step in order to become elegible for the equential bonus awards of the game defined herein. That is because more than one number sust be bet for there to be a sequence or order of numbers. However, a bonus can be chieved if only one number is played on the occurrence bonus aspect. After the appropriate mount of coins have been inserted or deposited in coin insert 61 and the numbers to be bet re selected and registered at display 63, arm 57 is moved to activate reels that will stop	5
10 5 10 no	9E. Preselect display 63 then can be compared with display windows 59 to determine winning umbers. There is also a credit display window 64 and payout display window 65 that indicates	10
re b 15 b	selease coins won that will be delivered through coin tray 66. Other readiles such as start outton 67 and clear button 68 may be incorporated in the present invention if desired. Start outton 67 is pressed or used to begin each game and clear button 68 may be used when the player has changed his mind and would like to change his selection of one or more preselected output by the start button 67 or moving the arm 57 to activate the reels.	15
20 n	One of the advantages of the present invention is that there are many ways to will write adds to the excitement of the game. A player can win by selecting 1, 2, 3, 4, or 5 winning numbers, he can win by predicting sequence on winning indiators 58 or he can win by any one of these numbers occurring more than once (up to 5) on the reels activated; if the first number of these numbers up more than once, a bonus is awarded, the same with the second, third, and fifth preselected number. Thus, he can win by picking just one number and having	20
25 t	the chances of that one number coming up on any of five wheels A, B, C, D of E. Meterson, the player may play several different ways with one game, winning on any of five wheels, winning on predicting or selecting a sequence if he picks more than one number, winning on	25
30 a	Award plate 62 is expanded in Fig. 7 to show the various ways or categories of winning with the awards or pay off in coins when permitted under the applicable laws. In Fig. 7A, B, C, D and E represent five different reels which spin independently of each other; 1C represents occurrence of one preselected number, 2C the occurrence of that number twice, 3C occurrence at times, 4C occurrence 4 times and 5C occurrence 5 times. M ₂ represents two numbers in	30
35 35	order of preselection, M ₃ represents three numbers in order of preselection, M ₄ four numbers in order of preselection. Order of preselection and M ₅ five numbers in order of preselection. Award plate 62 illustrates in the first set of columns 69 the awards or pay off for selection of a winning number, column sets 70 to show the awards or pay offs for multiple (more than 1)	35
40	must be bet or selected for an award of sequence or order. In the left hand column 72 are listed the number of coins played and reading to the right the various awards or pay offs in each of columns 69, 70 and 71. For example, if 3 coins are played or inserted into coin insert	40
45	on reels A and B), then 3 coins are awarded. If one number selected comes up twice, once in wheel A and once in wheel B, then per column 70, 5 additional coins are awarded, i.e. 5 for third coin. If 2 selections match sequence of appearance on windows or displays 58 (of Fig. 6), then as shown in Columns 71 of Fig. 7, 5 additional coins are awarded, i.e. 5 for third coin deposited. Award plate 62 as shown in Fig. 6 and 7 will be more specifically described in following further examples when read with reference to Fig. 7.	45
	DESCRIPTION OF CHART FIGURE 7 EXAMPLE XII	50
55	1 coin played=1 selection (Selection 1) Selection 1 may win in either or all reels (A-E) (A) If selection 1 appears in Reel A the payout is 1 coin If selection 1 appears in Reel B the payout is 2 coins If selection 1 appears in Reel C the payout is 3 coins If selection 1 appears in Reel D the payout is 4 coins If selection 1 appears in Reel E the payout is 5 coins	55
60	(B) If Selection 1 appears in any two reels the player is awarded the total of each reel position plus a bonus of 5 coins. Selection 1 any any 3 reels pay the total of each reel position plus 7 bonus coins. Selection 1 in 4 reels pays 50 bonus coins.	60

5	EXAMPLE XIII 2 coins played: 2 selections (I and II) As in example XII above, either selection I or II may win in either or all reels (A-E) plus an additional bonus if Selection I and Selection II are matched with reel A and reel B respectively. By playing two coins, the player (1) plays two games at once; (2) receives increased awards for bonus level 1; and (3) has an additional way of winning, bonus level 2 Selection I and II matched.							
10	Scoins played=3 selections (I, II and II) As above, either Selection I, II or III may win in either or all reels; plus a bonus if either selection appears in 2 or more reels; plus a bonus if either two or three of the selections are selection appears in 2 or more reels; plus a bonus if either two or three of the selections are	10						
15	selection appears in 2 or more reels; plus a bolius if elitie. (Wo 3) and a selection appears in 2 or more reels; plus a bolius if elitie. (Wo 3) and a selection appears in 2 or more reels; plus a bolius if elitie. (Wo 3) and a selection appears in 2 or more reels; plus a bolius if elitie. (Wo 3) and a selection appears in 2 or more reels; plus a bolius if elitie. (Wo 3) and a selection appears in 2 or more reels; plus a bolius if elitie. (Wo 3) and a selection appears in 2 or more reels; plus a bolius if elitie. (Wo 3) and a selection appears in 2 or more reels; plus a bolius if elitie. (Wo 3) and a selection appears at once; (2) and a selection appears in 2 or more reels; plus a bolius if elitie. (Wo 3) and a selection appears at once; (2) and a selection appears at once; (3) and a selection appears at once; (2) and a selection appears at once; (3) and a selection appears at once; (3) and a selection appears at once; (4) and a selection appears at once; (5) and a selection appears at once; (5) and a selection appears at once; (6)							
20	Selections I and II matched I and III matched II and III matched I, II and III matched	20						
25	4 coins played=4 selections (I, II, III and IV) As above, either Selection I-IV may win in either or all reels plus an increased bonus award if either selection appears in 2 or more reels; plus a bonus if either two, three or four of the selections are matched with reel positions.							
30	selections are matched with reel positions. By playing 4 coins, the player (1) plays 4 games at once; (2) received increased awards for multiple occurrence bonus; and (3) has eleven categories or ways at winning in sequential order bonus.							
3	Selections I and II matched I and III matched I and IV matched II and III matched II and IV matched III and IV matched III and IV matched	35						
4	I, II and III matched I, II and IV matched	40						
4	EXAMPLE XVI 5 coins played=5 selections (I, II, III, IV and V) As above, either selection I–V may win in either or all reels plus a bonus if any selection appears in 2 or more reels; plus a bonus if any two, three, four or five selections are matched	45						
Ę	with reels positions. By playing five coins, the player (1) plays 5 games at once; (2) receives increased awards for By playing five coins, the player (1) plays 5 games at once; (2) receives increased awards for By playing five coins, the player (1) plays 5 games at once; (2) receives increased awards for By playing five coins, the player (1) plays 5 games at once; (2) receives increased awards for By playing five coins, the player (1) plays 5 games at once; (2) receives increased awards for By playing five coins, the player (1) plays 5 games at once; (2) receives increased awards for By playing five coins, the player (1) plays 5 games at once; (2) receives increased awards for By playing five coins, the player (1) plays 5 games at once; (2) receives increased awards for By playing five coins, the player (1) plays 5 games at once; (2) receives increased awards for By playing five coins, the player (1) plays 5 games at once; (2) receives increased awards for By playing five coins, the player (1) player (1) player (2) player (2) player (3) player (3) player (4) p	50						

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			•		•			30
		wins or	either A	l, D, C, multiple	OCCULTABLE	honus'i D	nus wins for single selections solus bonus wins for matched selected ("sequential bonus").	
					No.11	No.10		35
	Player selects:	No.1	No.6	No.9	No.11 No.9	No.10		
	Reels stop at:	No.1	No.1	No.9	NO.5	140.10		
			٠	•		•		
	Player wins:	N - 1 :-						
	(simple):	No. 1 ir No. 1 ir						40
40		No. 9 ir						
		No. 9 ir						
		No 10 i						
	(multiple occurent			•			•	
45	(multiple occurent	No.	1 in 2 r	eels (A	and B)			45
45		No.	9 in 2 r	eels (C	and D)			
	(sequential order		• = .	•			•	
	(Sequential order	Three	matched	d position	ns			
	•	Selec		No.1	No.9	No.10		50
50			Position:	Α	С	E		50
30							to a live terms of "otenning	
55	positions" on wh	neels, ree s with ru ping posit	els or indi ib-off por tions on a	icators.	tnese willi borounder	the winning	re defined in terms of "stopping rs also can be determined from numbers are indicated. Thus can be preprinted on a card	55
60	random selection predictions made	of one by a pla	of a mult ayer, eac	h predic	tion compr	ising one o	eans each adapted for the or recording between one and Y of the indicia, means for compary winnings for the correct predictional individual indicia, multiple	60
	i'f anu ana	of more	of the to	IIOWING:	single occ	urrences of	mairia and	

	of awarding winnings.	
	The apparatus of claim 2 wherein said relative values are in a geometric progression.	
	4. The apparatus of any one of claims 1 to 3 including means to display the predicted	
	talists and moone to display the selections	5
5	The apparatus of any one of claims 1 to 4 including means for enabling between one and	3
	V madicalisms to be made in accordance with an amount wagered by the player.	
	6. The apparatus of claim 5 including coin-receiving means whereby the amount wagered can	
	he between one and Y coins, one coin for each prediction.	
	7. Gaming apparatus for a plurality of players including a plurality of stations each comprising	10
10	a gaming apparatus in accordance with claim 5 or claim b, the apparatus including means to	10
	anisotics winnings in dependence upon the total amount wagered by all the players.	
	8. An apparatus in accordance with claim 1 adapted for repeated player actuation, compris-	
	ing:	
	(1) means for preselecting from one to Y numbers and displaying the numbers when se-	15
15	lected;	•
	(2) means for making a record of the numbers selected and retaining a memory of said	
	selected numbers;	
	(3) from two to ten selector means;	
	 (4) means for actuating said selector means; (5) means for providing the random selection by each of said selector means of one of the X 	20
20	(5) means for providing the random selection by each or said selector means or one or the	
	indicia, and displays for said selected indicia; (6) means for accepting money in accordance with the desired bet and awards to be made	
	(6) means for accepting money in accordance with the desired bot and available to be made	•
	upon winning; and (7) means for determining the amount won and means for dispensing the money or awards	
٥.		25
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